

Fig. 2

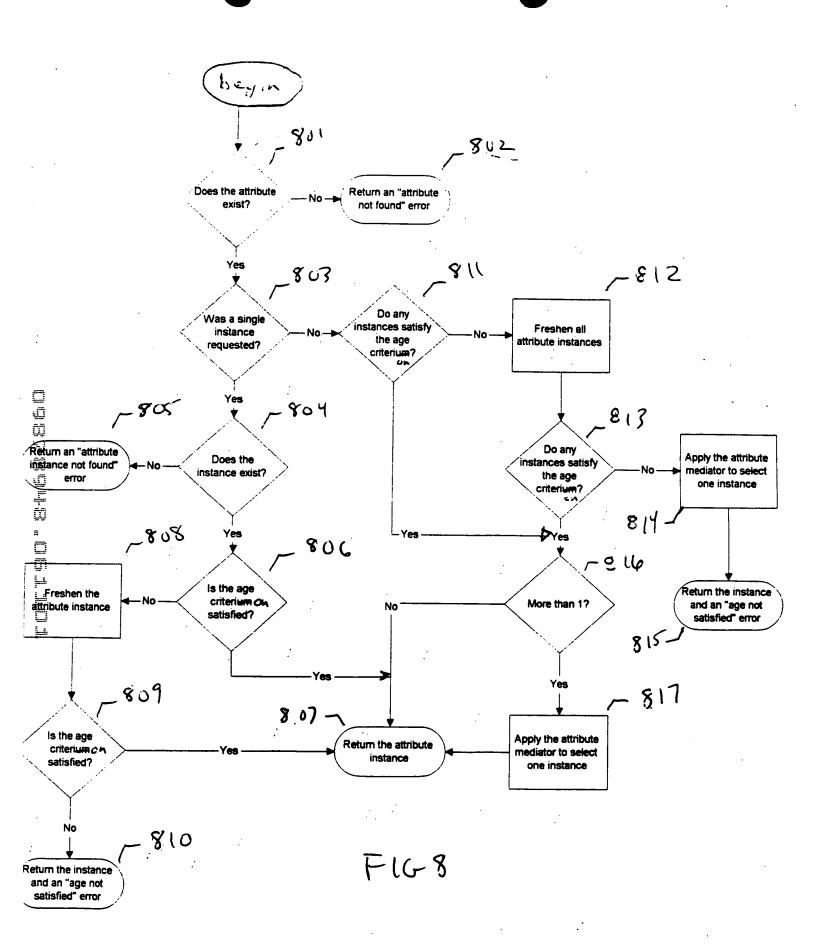
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(reference)
(reference)
FIG 6
uncertainty
47° 38.73' N, 0°.09' 122° 18.43' W
47° 38.745' N, 0°.021'
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none

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	gps.exe	ips.exe	l r a.exe	-413		timestamp			13:11:04.023 2/22/2000	13.11.01.118	13:11:01:118 2/22/2000	none	1515
installation date	2/10/2000	2/21/2000	2/10/2000	لام FIG 4		uncertainty			0,000	0°.021'	·	none	FIG 5
	2/	2/2		2147		value			47° 38.73' N, 122° 18.43' W	47° 38.745' N, 122° 18.424' W	22	none	5/5
			alysis 1	7111		context server	пате		sd8	sdi	sdi	location_region_ analysis	1 6512
context server name	gps	ips	location region analysis		·	attribute name			user.location	user location	user elevation	user in_region	161
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	uncertainty			,60°,0		0°.021'		s.		none	3 FIG 9
	value			47° 38.73' N,	122° 18.43' W	47° 38.745' N,	122° 18.424' W	22.25		none	F167
	context server	name		gps	· 5	ips	•	SOI		region analysis	1 □.
	attribute name			user location		user location		user elevation		v v user in region	L 9(
	•				102		405	-	937		404

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	TRUE	none	user in region	region analysis	oo in region true	8
	Companison vance	second rogical parameter	nrst logical parameter	context client name	condition name	
condition table						

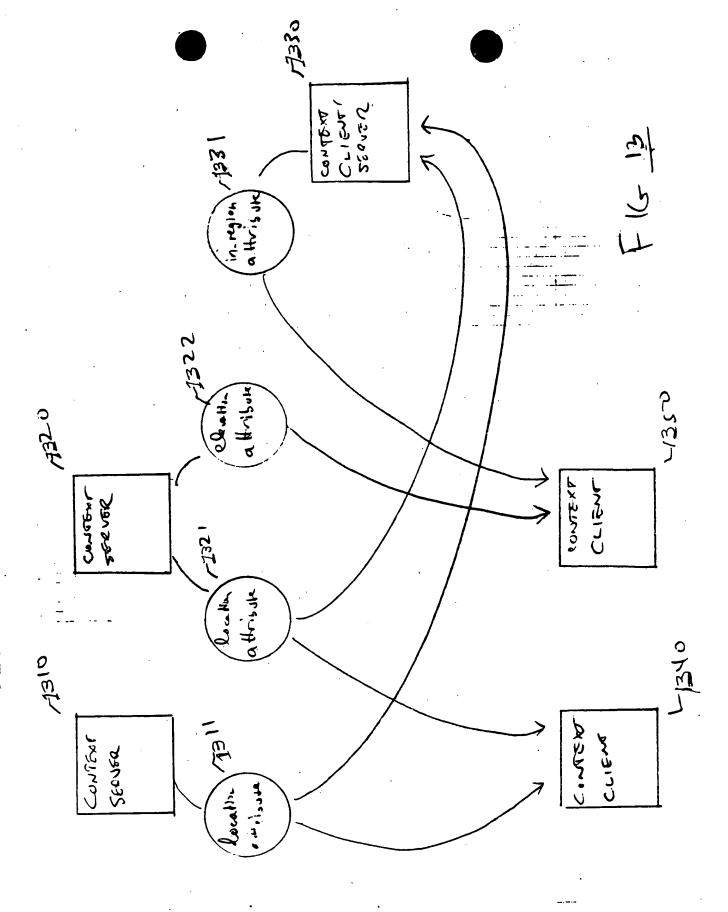
condition monitor table

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stopped		G	2			=]	
trigger handler	reference	(- 5 - 7	(Leference)			V=== V==>	
condition last	evaluated		13 11 29 101 (reference)	2/22/2000			
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	behavior			TRUE or	FALSE	二/ 511	
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	context client	name	Allen	region analysi	Ç	1 1 1	
	condition		Monitor Hallic	region bounda	1	ry crossed	
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	frequency		30			1217 7171	
	behavior		TRIF or	EALOE	FALSE	1215	
	condition	name	and noises a:	חוו בפוסות		ノ	•
	context client	name		region_analysi	S	(1)	ر
	condition	monitor name		region_bounda region_analysi III_IEBIOII_III	O r crossed		ンシン
					ノる		

condition monitor table

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attribute request table

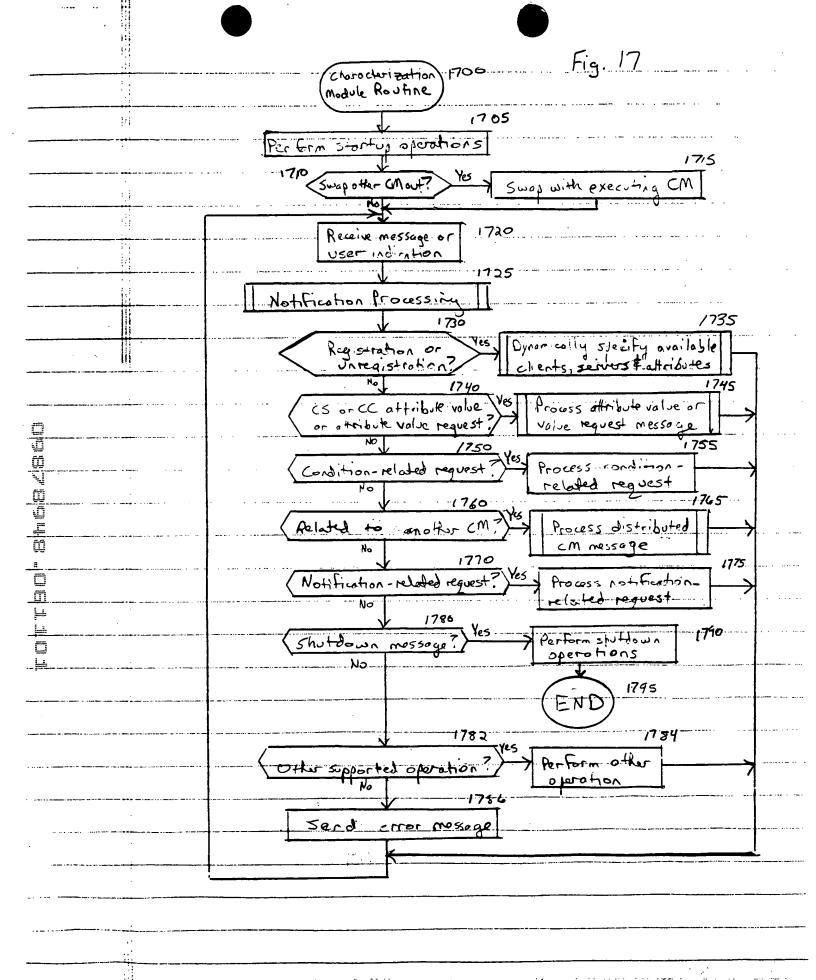
	attribute name	context	client name
1401 ~	user.location	distance_from_hom	e
	user.in_region	location_map	
	user.location [gps]	location_region_ana	ılysis
(40)	user.location [gps] user.elevation	location_map	
14047	1411	Figure 14	7 1412

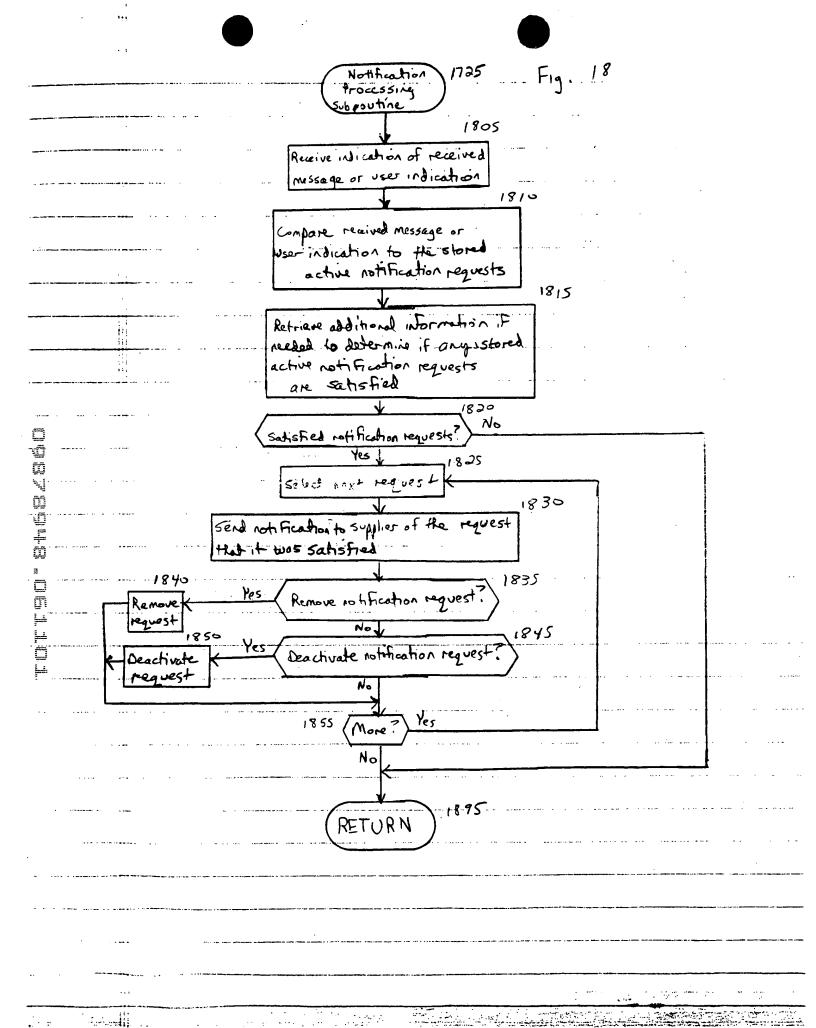
•	
User.	Platform. (continued)
Desired_privacy_level	CPU.
Interruptibility	Load Fig. 15
Speed	9
Direction	Memory.
Acceleration	Total_capacity
Availability.	Used
Cognitive_availability	Storage.
Tactile_availability	Total_capacity
Manual_availability	Used
Visual_availability	Connectivity.
Oral_availability	Connection_status
Auditory_availability	Connection_speed
Proximity < Item or place name>	Connection_type/device
Mood.	Connection_activity
Happiness	Power.
Sadness	Power_source
Anger	Power_level
Frustration	Environment.
Confusion	People.
Activity.	Nearest
Driving	Number_present
Eating	Number_close
Running	Local.
Sleeping	Time
Talking	Date
Typing	Temperature
Walking	Pressure
Location.	Wind_speed
Place_name	Wind_direction
Latitude	Absolute_humidity
Longitude	High_forecast_temperature
Altitude	Low_forecast_temperature
Room	People_present
Floor	Ambient_noise_level
Building	Ambient_light_level
Address	Days. <pre>previous or future>.</pre>
Street	High_temperature Low temperature
City	Precipitation_type
County	Precipitation_type Precipitation amount
State	Place. < place name>. (same as Environment. Local)
Country	•
Postal_Code	Application.
Destination. (same as User.Location.)	Mail.
Physiology.	Available
Pulse	New_messages_waiting
Body_temperature	Messages_waiting_to_be_sent
Blood_pressure	Phone.
Respiration	Available
Person. <name id="" or="">. (same as User.)</name>	In_use On/off
Platform.	
UI.	Notification_mechanism Call incoming
Oral_input_device_availability	Caller_ID
Manual_input_device_availability	Sound_recorder.
Tactile_output_device_availability	Sound_recorder. Available
Visual_output_device_availability	Recording
Auditory_output_device_availability	vernimit

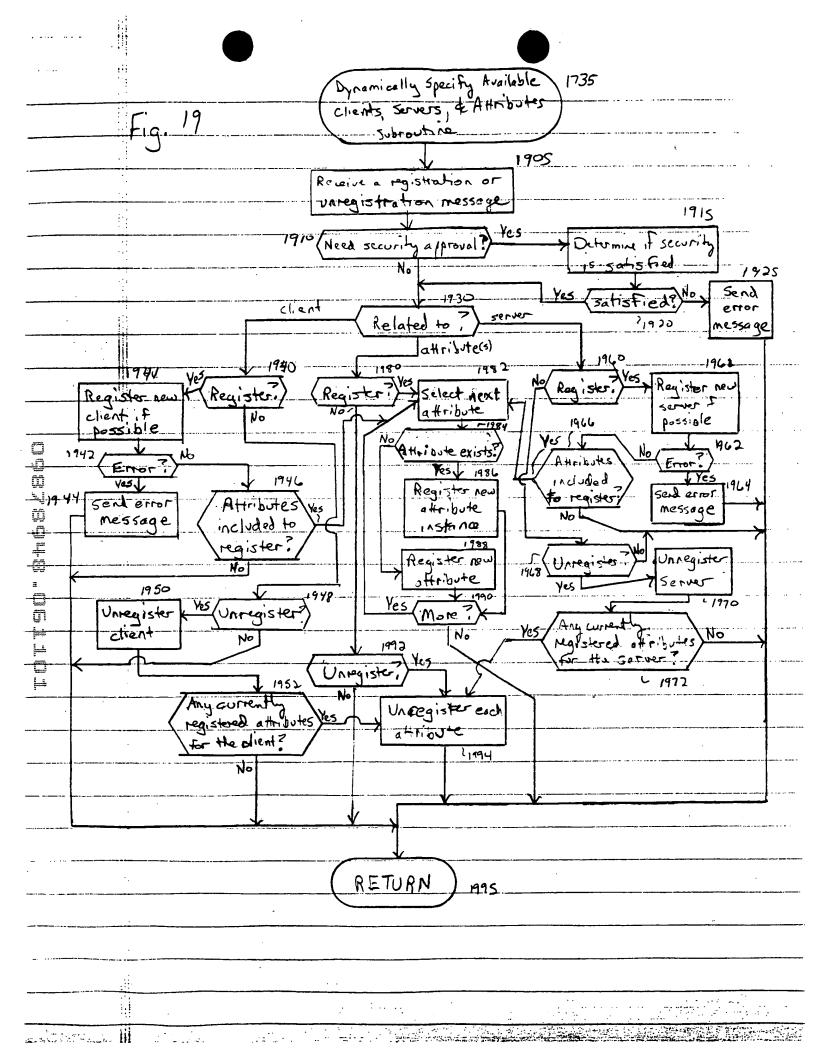
- 1) User Setting
 - a) Mental Context
 - i) Meaning
 - ii) Cognition
 - (1) Divided User Attention
 - (2) Task Switching
 - (3) Background Awareness
 - iii) Solitude
 - iv) Privacy
 - (1) Desired Privacy
 - (2) Perceived Privacy
 - v) Social Context
 - vi) Affect
 - b) Physical Situation
 - i) Body
 - (1) Biometrics
 - (2) Posture
 - (3) Motion
 - (4) Physical Encumberment
 - (a) Senses
 - (i) Eyes
 - (ii) Ears
 - (iii) Tactile
 - (iv) Hands
 - (v) Nose
 - (vi) Tongue
 - (b) Workload demands/effects
 - (c) Interaction with computer devices
 - (d) Interaction with people
 - (e) Physical Health
 - ii) Environment
 - (1) Time/Space
 - (2) Objects
 - (3) Persons
 - (a) Audience/Privacy Availability
 - (i) Scope of Disclosure
 - (ii) Hardware affinity for privacy
 - (iii) Privacy Indicator for User
 - (iv) Privacy Indicator for Public
 - (v) Watching Indicator
 - (vi) Being Observed Indicator
 - (4) Ambient Interference
 - (a) Visual
 - (b) Audio
 - (c) Tactile

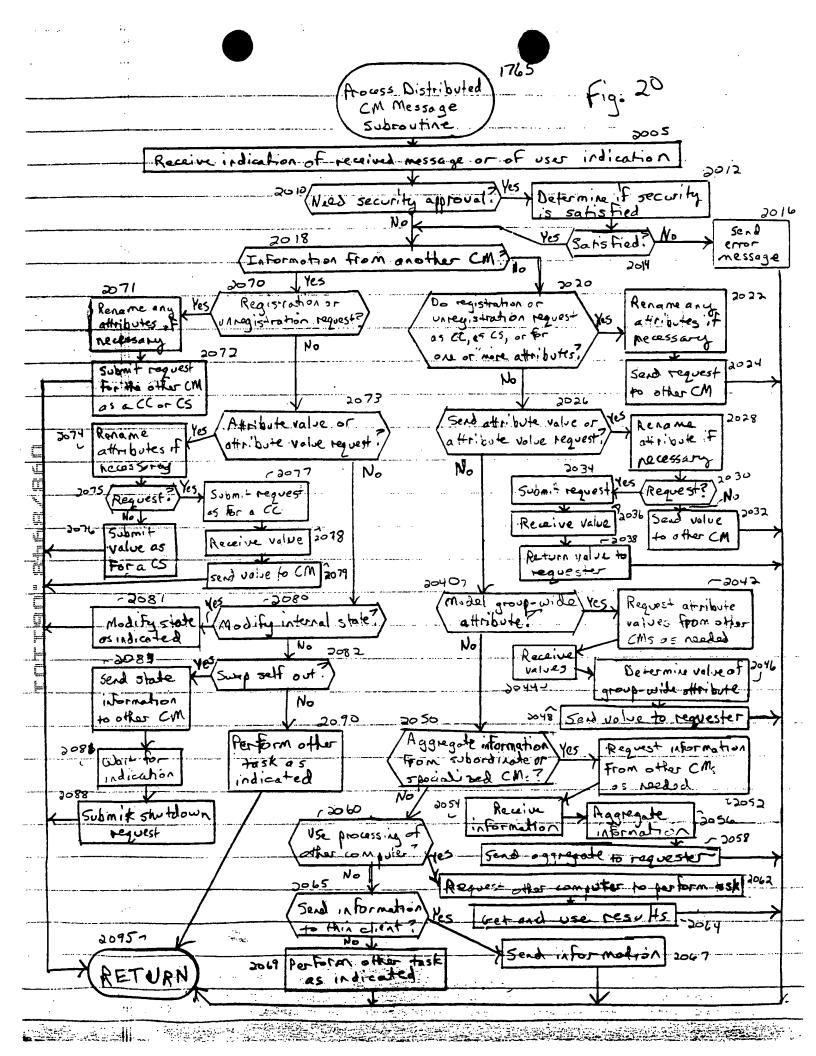
- 2) Computer
 - a) Power
 - b) Configuration
 - i) User Input Systems
 - (1) Hand/Haptic
 - (a) Keyboard/Keystrokes
 - (2) Voice/Audio
 - (3) Eye Tracking
 - (4) Cursors
 - (a) Axis
 - (b) Resolution
 - (i) Selection
 - (ii) Invocation
 - (c) Accelerators
 - ii) Output Systems
 - (1) Visual
 - (a) Resolution
 - (2) Audio
 - (a) Public/Private
 - (3) Haptic
 - iii) External Resources
 - (1) I/O devices
 - (2) Connectivity
 - c) Data
 - i) Quantity/State
 - ii) Urgency/Importance
 - (1) Use of Prominence
 - iii) Modality
 - iv) Sensitivity/Purpose
 - (1) Privacy Issues
 - (2) Use of Association
 - (3) Use of Safety
 - v) Source/Ownership
 - (1) Types
 - (a) User generated
 - (b) Other computers or people
 - (c) Sensor
 - (d) PC State
 - (2) Use of Association

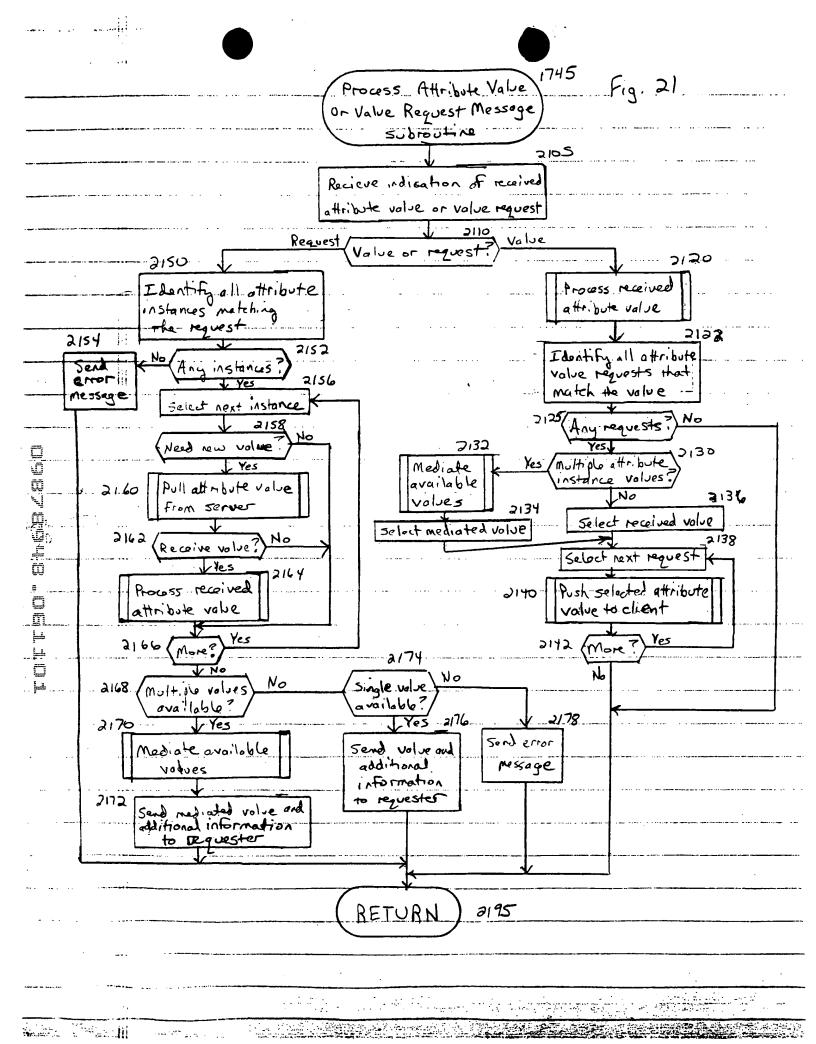
Fig. 16

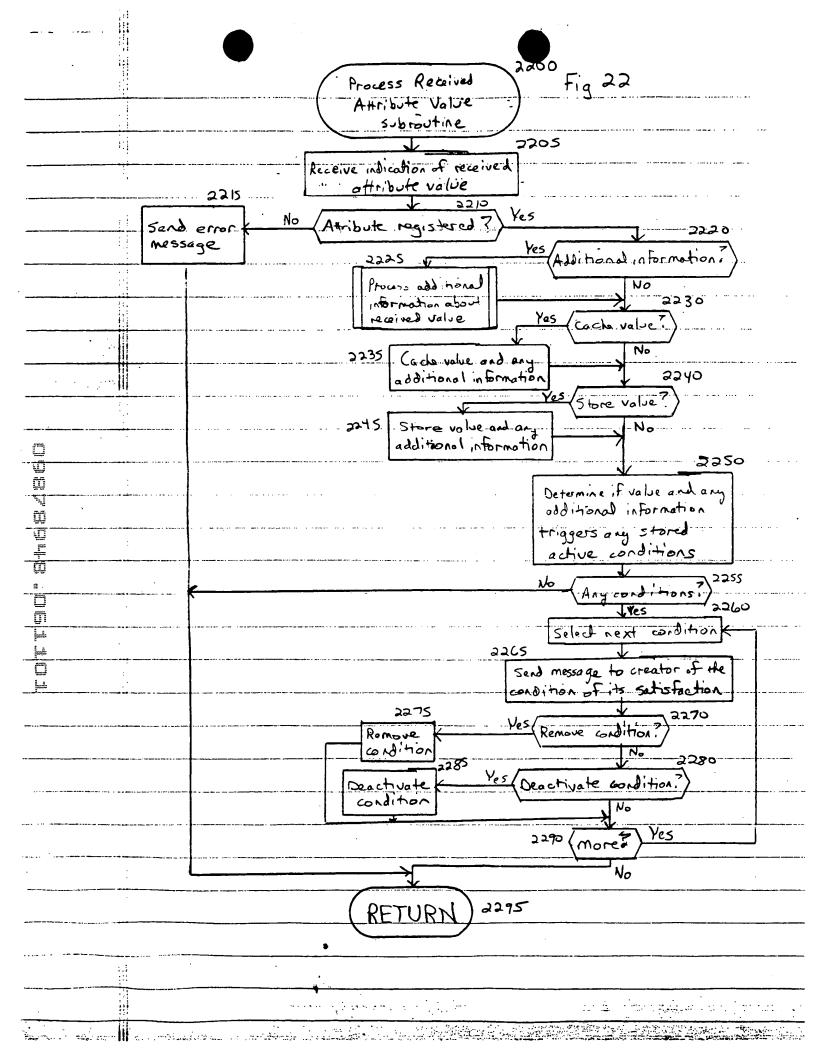


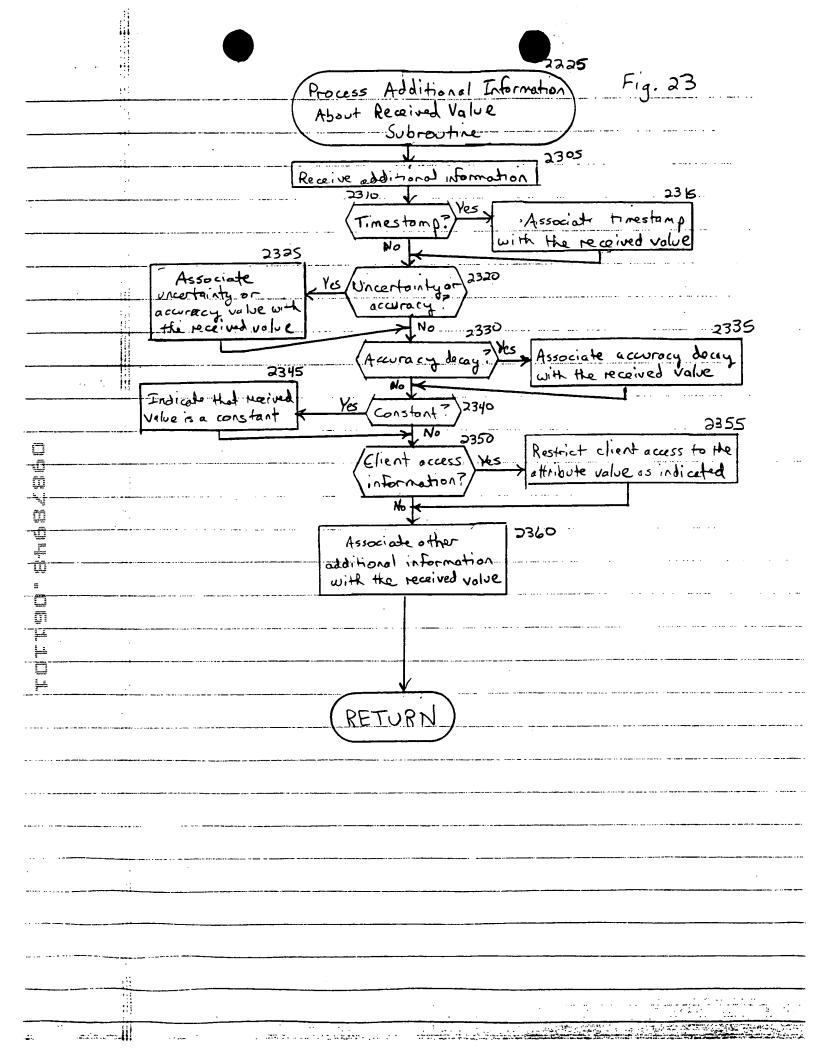


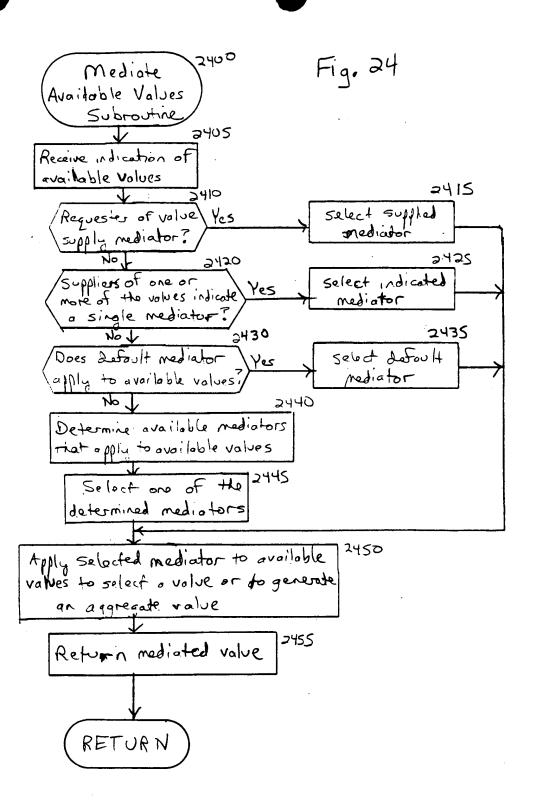












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